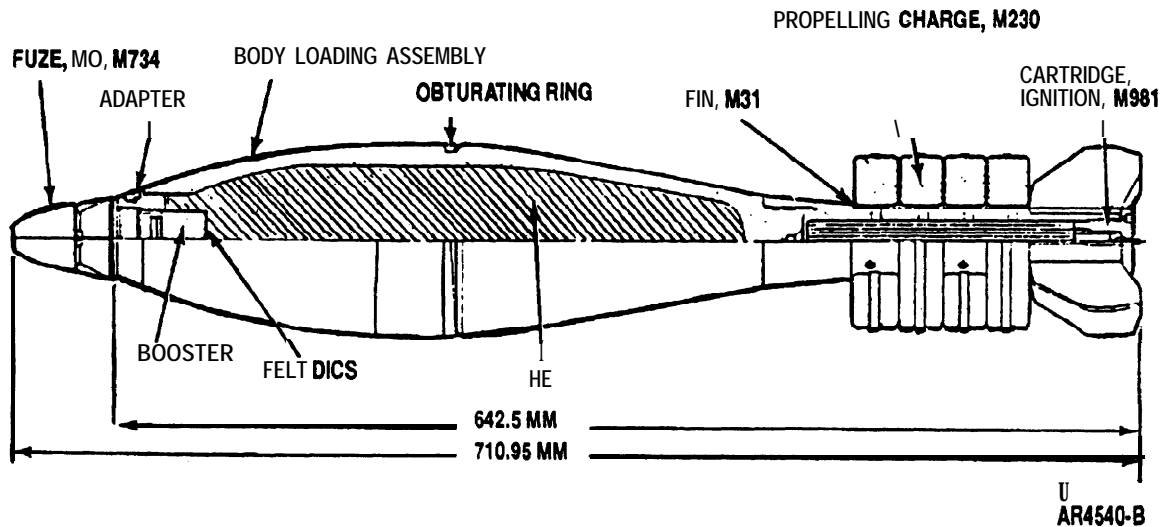


**CARTRIDGE, 120 MILLIMETER: HE, M934 WITH FUZE, MULTI-OPTION: M734****Type Classification:**

TC • Std (May 92).

**Use:**

This cartridge is a high explosive round developed for use in the M120 and M121 120mm mortar system. It is intended for use against personnel and materiel targets, providing for fragmentation and blast effects.

**Description=**

The complete round consists of a **fuze**, propellant **charge**, fin assembly, ignition **cartridge**, and shell body. The shell body, made of wrought carbon steel, is loaded with Composition B filler. The ignition cartridge has a percussion primer and is assembled to the end of the fin assembly. The propellant charge is contained in four horseshoe-shaped felt fiber containers and assembled around the fin assembly shaft.

**Functioning:**

When the cartridge is dropped down the mortar tube, the firing pin at the bottom of the tube initiates the percussion primer and charge in the ignition cartridge. The charge in the igni-

tion cartridge flashes through the holes in the shaft of the fin assembly and ignites the **propel-**ling charge. The gases from the burning propellant expand and propel the cartridge out of the mortar tube. The fuze functions on (proximity, near surface, on impact, or delay, depending on the fuze setting) and detonates the projectile.

**Tabulated Data:****Complete Round:**

Type----- HE  
 Weight----- 31.2 lb  
 Length----- 27.99 in.  
 (710.95 mm)

Assembly drawing number --- 12577501

**Projectile:**

Body material ----- Wrought carbon steel  
 Color ----- Olive drab w/yellow markings  
 Filler and weight ----- Comp B, 6.59 lb (2.99 kg)

**Components:**

Ignition cartridge ----- M981  
 Propellant charge ----- M230  
 Fin assembly ----- M31  
 Fuze ----- Multi-option, M734

### Temperature Limits:

Firing:	
Lower limit -----	-50°F (-45.6°C)
Upper limit -----	+ 145°F (+62.8°C)
Storage:	
Lower limit -----	-60°F (-51.1°C)
Upper limit -----	+160°F (+71.1°C)
*Packing -----	1 round per fiber con- tainer w/2 fiber contain- ers per metal container
Fiber container:	
Drawing number -----	12577551

Metal container:  
Drawing number ----- 12577570

\*NOTE: See DOD Consolidated Ammunition Catalog for complete packing data including NSN's.

### Shipping and Storage Data:

UNO serial number -----	0005
Quantity-distance class -----	1.1
Storage compatibility group ----	F
DOT shipping class -----	A
DOT designation-----	AMMUNI- TION FOR CANNON WITH EXPLOSIVE PROJECTILE
DODAC -----	1315-C379